



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### HMBS (Human) Recombinant Protein (P01)

**Catalog Number:** H00003145-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human HMBS full-length ORF ( AAH00520.1, 1 a.a. - 361 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MSGNGNAAATAEENSPKMRVIRVGTRKSQLARIQTDS  
VVATLKASYPGLQFEIIMSTTGDKIPDTALSKIGEKSLF  
TKELEHALEKNEVDLVVHSLKDLPTVLPFGFTIGAICKR  
ENPHDAVVFHPKFGKTLETLPEKSVVGTSSLRRAAQ  
LQRKFPHFERSIRGNLNTRLRKLDEQQEFSAILATAG  
LQRMGWHNVRVQILHPEECMYAVGQGGALGVEVRAK  
DQDILDVGLHDPETLLRCIAERAFLRHLEGGCSVPV  
AVHTAMKDGQLYLTGGVWSDGSDSIQETMQATIHVP  
AQHEDGPEDDPQLVGITARNIPRGPQLAAQNLGISLAN  
LLLSKGAKNILDVARQLNDAH

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 65.45

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 3145

**Gene Symbol:** HMBS

**Gene Alias:** PBG-D, PBGD, UPS

**Gene Summary:** This gene encodes a member of the hydroxymethylbilane synthase superfamily. The encoded protein is the third enzyme of the heme biosynthetic pathway and catalyzes the head to tail condensation of four porphobilinogen molecules into the linear hydroxymethylbilane. Mutations in this gene are associated with the autosomal dominant disease acute intermittent porphyria. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq]